



DEPARTMENT OF THE NAVY

NAVAL SEA SYSTEMS COMMAND
1333 ISAAC HULL AVE SE
WASHINGTON NAVY YARD DC 20376-0001

IN REPLY TO:

CJ&A Number: 20,638

Code: SEA 02213

P.R. No: N00024-09-NR-94979

CLASS JUSTIFICATION AND APPROVAL FOR USE OF OTHER THAN FULL AND OPEN COMPETITION

JUSTIFICATION

1. Contracting Activity

The Naval Sea Systems Command (NAVSEA), Shipbuilding Contracts Division (SEA 022).

2. Description of the Action Being Approved

Award of a class of contractual actions on a sole source basis for engineering and technical design services to support Research and Development (R&D) of advanced submarine technologies to General Dynamics Electric Boat Corporation (EBC). Authority to act under this Class Justification & Approval (CJ&A) expires 31 January 2015.

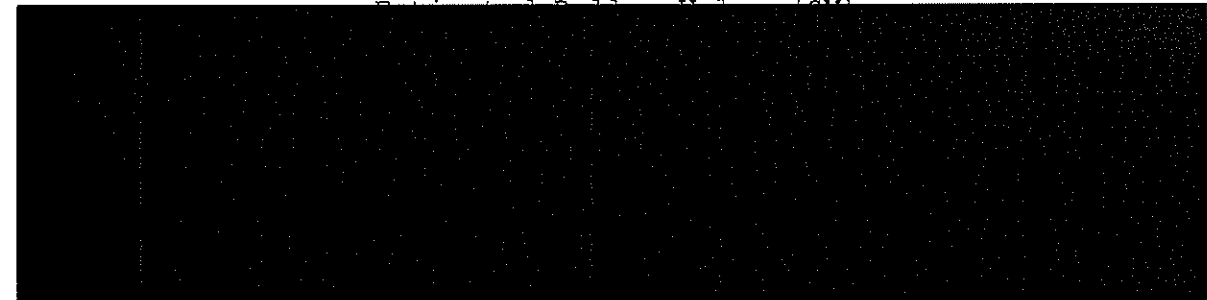
3. Description of Supplies/Services

The efforts covered by this Class Justification and Approval include a level of effort contract with General Dynamics Electric Boat Corporation (approximately [REDACTED] man-hours) for engineering and technical design services in support of Research and Development of advanced submarine technologies for current and future submarine platforms. The contemplated contract will also contain an ordering provision for material, prototype hardware, and minor Research and Development (R&D) projects.

Advanced submarine R&D includes studies to support the manufacturability, maintainability, producibility, reliability, manning, survivability, hull integrity, performance, structural, weight/margin, stability, arrangements, machinery systems, acoustics, hydrodynamics, ship control, logistics, human factors, materials, weapons handling and stowage, submarine safety, and affordability. Development and design of advanced submarine R&D technologies include integration/incorporation of technologies for tests/deployment of onboard Advanced Development Models (ADMs) and engineering test platforms on designated R&D test platform(s) and current and future submarine platforms; fabrication of advanced engineering development models and prototypes required to demonstrate proof-of-concepts; and engineering design, technical assessment, systems integration,

and configuration management and control services to support Large Scale Vehicle (LSV) test platforms. The program also supports near term insertion of VIRGINIA Class technology; identification of OHIO Class replacement technology options; future submarine concepts; and core technologies.

The Government's minimum needs have been verified by the certifying technical and requirements personnel.



4. Statutory Authority Permitting Other Than Full and Open Competition

10 U.S.C. 2304(c)(1). The supplies or services required by the agency are available from only one or a limited number of responsible sources, and no other type of supplies or services will satisfy the requirements of the agency.

5. Rationale Justifying Use of Cited Statutory Authority

There are only two (2) responsible sources for these types of services that will satisfy the needs of the agency: EBC and Northrop Grumman Shipbuilding (NGSB). The two yards are the sole builders of all current Classes of nuclear powered submarines. EBC is the design agent and Planning Yard for OHIO Class submarines and the sole builder of the SEAWOLF Class submarines (as well as being involved in the design of the SEAWOLF Class). NGSB is the design agent and Planning Yard for the SSN 688s. NGSB is the lead design yard and Planning Yard for the SEAWOLF Class submarines and is the lead development yard for many of the SEAWOLF components.



Additionally, EBC is performing concept studies, systems definition, design, and analysis for the submarine.

Due to the extensive experience, capabilities and facilities developed for the design, engineering and construction of nuclear submarines that EBC has gained by their previous participation in SSN 688, OHIO, SEAWOLF, and VIRGINIA Class Submarine programs, EBC is only one of two contractors capable of performing the

complete range of research and development work as described in this Class Justification and Approval. The tasks to be performed under the contract entail a wide variety of submarine component and system designs, producibility and cost studies, prototype design and fabrication, testing, and specification review and development. The studies and services to be performed require detailed familiarity with submarine drawings and specifications which have been developed by or are currently being developed by EBC. EBC's participation in this work will provide the Government with the ship designer's and shipbuilder's unique perspective in the areas under investigation and keep the contractor abreast of evolving submarine design and construction technologies. Only EBC and NGSB possess the requisite knowledge of the design, construction, and interaction of submarine systems to ensure that the integrity of the design is not compromised by developing technologies. Previous engineering and design development work to establish the expertise has already been paid for by the government or the contractor and would not be economically transferable to any other firm. It is anticipated that NGSB will be awarded a similar follow-on contract in order to draw upon its expertise in this area.

Therefore, based on the above facts, and because there were no responses to the Federal Business Opportunities (FBO) 04 March 2009 synopsis, the class of contractual actions covered herein will be entered into using other than full and open competition pursuant to 10 U.S.C. 2304 (c)(1), "The supplies or services needed by the agency are available from only one responsible source or only from a limited number of responsible sources and no other type of supplies or services will satisfy the needs of the agency."

Predecessor contract N00024-07-C-2107 was not competed.

6. Description of Efforts Made to Solicit Offers from as Many Offerors as Practicable

The proposed efforts addressed by this CJ&A (excluding "orders") were synopsized in the Federal Business Opportunities (FBO) web portal, <http://www.fedbizopps.gov> on 04 March 2009. No responses have been received to date and no responses are anticipated. No additional market research was conducted because it is not practicable for the reasons cited in Paragraph 5 above, for any company other than EBC and NGSB to perform the contemplated effort, and NGSB has not expressed interest in competing for this effort.

7. Determination of Fair and Reasonable Costs

The Contracting Officer has determined that the anticipated cost to the Government for the supplies/services covered by this CJ&A will be fair and reasonable.

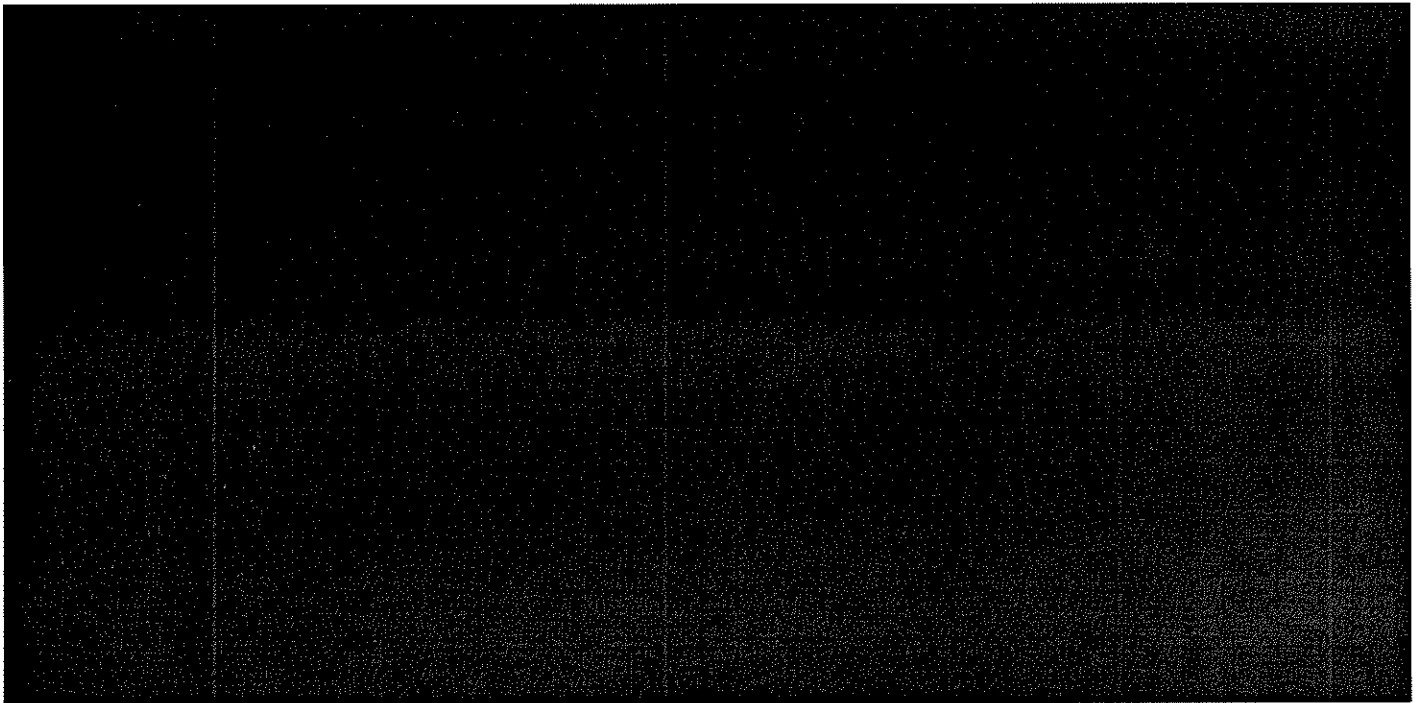
8. Actions to Remove Barriers to Competition

For the reasons set forth in Paragraph 5, the Naval Sea Systems Command has no plans at this time to compete future contracts for the types of supplies/services covered by this document. If another potential source emerges, the Naval Sea Systems Command will assess whether competition for future requirements is feasible.

CERTIFICATIONS AND APPROVAL

TECHNICAL/REQUIREMENTS CERTIFICATION (FAR 6.303-2(b))

I certify that the facts and representations under my cognizance, which are included in this justification and its supporting acquisition planning data, including Acquisition Plan No. ASSD-09-01, except as noted herein, are complete and accurate to the best of my knowledge and belief.



APPROVAL BLOCK (FAR 6.304 for Approving Official)

Upon the basis of the above justification, I hereby approve, as Senior Procurement Executive of the Navy, the solicitation of the proposed procurement(s) described herein using other than full and open competition, pursuant to the authority of 10 U.S.C. 2304(c)(1).

SENIOR PROCUREMENT EXECUTIVE OF THE NAVY



SJ STACHEY

Name (Print)

7 AUG 09

Date